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Substitute for form 1449 A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 09/868,698

Filing Date : 02/08/1999

First Named Inventor: Zorba

Group Art Unit: ~~1A~~ 2129

Examiner Name: ~~MAI~~ MAI T. TRAN

Attorney Docket Number: 05222.00151



(Use as many sheets as necessary)

Sheet 1 of 1

| U.S. PATENT DOCUMENTS  |                          |  |                                |  |   |
|------------------------|--------------------------|--|--------------------------------|--|---|
| Examiner<br>Initials * | Cite<br>No. <sup>1</sup> | Document Number                            | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of<br>Cited Document | Pages, Columns, Lines, Where Relevant<br>Passages or Relevant<br>Figures Appear |
|                        |                          | Number - Kind Code <sup>2</sup> (if known) |                                |  |   |
| mtt                    |                          | US-4,622,013                               | 11/11/1986                     | Cherchio   |   |
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| mtt                    |                          | US-5,002,491                               | 03/26/1991                     | Abrahamson, et al.                                 |   |
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|--------------------------|--------------------------|---|-----------------------------------|---|--|----------------|
| Examiner<br>Initials *   | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited<br>Document | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>6</sup> |
|                          |                          | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                   |   |  |                |
|                          |                          | EP 0 689 132 A2   | 12/27/95                          | Laffra  |  |                |
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|                          |                          | WO 98/32109   | 07/23/98                          | De Lange  |  |                |

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| Examiner<br>Signature | MAI T. TRAN | Date<br>Considered | 12/20/05 |
|-----------------------|-------------|--------------------|----------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Application Number : 09/868,698

Filing Date : 02/08/1999

First Named Inventor: Zorba

Group Art Unit: ~~2129~~

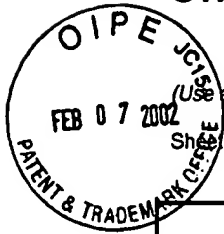
Examiner Name: ~~MAI T. TRAN~~

Attorney Docket Number: 05222.00151

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### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|---------------------|-----------------------|---|----------------|
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|                     |                       | <del>"ACM Transactions on Information Systems," 1988 at www.acm.org/pubs/loc/Abstracts/lois/59298.html</del>  |                |
|                     |                       | <del>The Virtual Classroom: Great Expectations: Delivering Graduate Education by Computer: A Success Story, 1996.</del>   |                |
|                     |                       | <del>"A Special Section – Goal Based Scenarios: A New Approach to Professional Education: Reengineering Education at Andersen Consulting," Educational Technology, Nov.-Dec. 1994</del>   |                |
|                     |                       | <del>"Goal-Based Scenarios and the Problem of Situated Learning: A Commentary on Andersen Consulting's Design of Goal-Based Scenarios," Educational Technology, Nov.-Dec. 1994</del>  |                |
|                     |                       | <del>"DDD—A Free Graphical Front-End for UNIX Debuggers," Jan. 1996, ACM Sigplan Notices, Vol. 31, No. 1, pp. 22-27</del>   |                |
|                     |                       | <del>"Automated Training of Legal Reasoning" at http://www.bileta.ac.uk/94papers/muntjew.html</del>   |                |
|                     |                       | <del>"The Virtual Learning Environment System," 28th Annual Frontiers in Education Conference, Conference Proceedings, Vol. 2, Nov. 4-7, 1998</del>   |                |
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|                     |                       | <del>"CAPTOR a model for delivering web based intelligent tutoring system technology", IEEE Proc. DASC vol. 2, pp 5.C.4.1-5</del>   |                |

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|--------------------|-------------|-----------------|----------|
| Examiner Signature | MAI T. TRAN | Date Considered | 12/20/05 |
|--------------------|-------------|-----------------|----------|

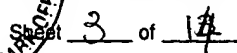
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Attorney Docket Number: 05222.00151

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 09/868,698

Filing Date: 02/08/1999

First Named Inventor: Zorba

Group Art Unit: ~~n/a~~ 2829

Examiner Name: ~~n/a~~ MAI T. TRAN

Attorney Docket Number: 05222.00151

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| OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|---|-----------------------|---|----------------|
| Examiner Initials *                               | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|   |                       | "Bridging the Virtual and the Physical: The InterSim as a Collaborative Support Interface," Proc. Of 1997 World Conf. On Artificial Intelligence In Education, pp. 556-58, Dec. 1997  |                |
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|   |                       | "FRA: Teaching Financial Accounting with a Goal-Based Scenario," Intelligent Systems in Accounting, Finance and Management, Vol. 4, 1995  |                |
|   |                       | "Teaching Real-World Analysis Skills for Goal-Based Scenario," pp. 68-74  |                |

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| Examiner Signature | MAI T. TRAN | Date Considered | 12/20/05 |
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Sheet 5 of 14

**Application Number : 09/868,698**

**Filing Date: 02/08/1999**

**First Named Inventor: Zorba**

Group Art Unit: ~~n/a~~ 2129  
Examiner Name: ~~n/a~~ MAI T. TRAN

**Attorney Docket Number: 05222.00151**

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| U.S. PATENT DOCUMENTS  |                          |  |                                |  |   |
|------------------------|--------------------------|--|--------------------------------|--|---|
| Examiner<br>Initials * | Cite<br>No. <sup>1</sup> | Document Number                            | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of<br>Cited Document | Pages, Columns, Lines, Where Relevant<br>Passages or Relevant<br>Figures Appear |
|                        |                          | Number - Kind Code <sup>2</sup> (if known) |                                |  |   |
| NTE                    |                          | US-5,727,950                               | 03/17/1998                     | Cook, et al.                                       |   |
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| Examiner Signature | MAI T. TRAN | Date Considered | 12/20/05 |
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<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Group Art Unit: *2129*

Examiner Name: *MAI T. TRAN*

Attorney Docket Number: 05222.00151

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## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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|---------------------|-----------------------|---|----------------|
|                     |                       | "Artificial Intelligence and Mathematics Education" at <a href="http://www.rand.org/hol/mcarthur/Papers/aled.html">http://www.rand.org/hol/mcarthur/Papers/aled.html</a>  |                |
|                     |                       | "The Roles of Artificial Intelligence in Education: Current Progress and Future Prospects" at <a href="http://www.nib.unicamp.br/recursos...education/intelligent-tutoring.html">http://www.nib.unicamp.br/recursos...education/intelligent-tutoring.html</a>   |                |
|                     |                       | "WITS: A Reusable Architecture for a VR-Based ITS" at <a href="http://adviseam.trdc.pitt.edu/its-arch/papers/tam.html">http://adviseam.trdc.pitt.edu/its-arch/papers/tam.html</a>   |                |
|                     |                       | "Brainmaker" at <a href="http://www.nplsc.on.ca/~echoscan/28-04.htm">www.nplsc.on.ca/~echoscan/28-04.htm</a>  |                |
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|                    |                    |                 |                 |
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Filing Date: 02/08/1999

First Named Inventor: Zorba

Group Art Unit: ~~na~~ 2j29

Examiner Name: ~~n/a~~ LAI T. TAY

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Sheet 7 of 14

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|------------------------|--------------------------|--|--------------------------------|--|---|
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|                        |                          | Number - Kind Code <sup>2</sup> (if known) |                                |  |   |
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| WUE                    |                          | US- 6,067,537                              | 05/23/2000                     | O'Connor, et al.                                   |   |
| WUE                    |                          | US- 6,067,538                              | 05/23/2000                     | Zorba, et al.                                      |   |
| WUE                    |                          | US- 6,073,127                              | 06/06/2000                     | Lannert, et al.                                    |   |
| WUE                    |                          | US- 6,085,184                              | 07/04/2000                     | Bertrand, et al.                                   |   |

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| Examiner<br>Signature | MAI T. TRAN | Date<br>Considered | 12/20/05 |
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 09/868,698

Filing Date: 02/08/1999

First Named Inventor: Zorba

Group Art Unit: ~~n/a~~ 2129

Examiner Name: ~~n/a~~ MAI T. TRAN

Attorney Docket Number: 05222.00151

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|   |                       | "A Goal-Centered Architecture for Intelligent Tutoring Systems," Proc. Of 7th World Conf. On Artificial Intelligence in Education, pp. 307-314, Aug. 1995   |                |
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**Application Number : 09/868,698**

**Filing Dat : 02/08/1999**

**First Named Inventor:** Zorba

Group Art Unit: ~~n/a~~ 2129  
Examiner Name: ~~n/a~~ LHE T. TRAN

Attorney Docket Number: 05222.00151

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STATEMENT BY APPLICANT**

Application Number : 09/868,698

Filing Date : 02/08/1999

First Named Inventor: Zorba

Group Art Unit: ~~1A~~ 2129Examiner Name: ~~1A~~ MAI T. TRAN

Attorney Docket Number: 05222.00151

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|---------------------|-----------------------|---|----------------|
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Application Number : 09/868,698

Filing Date: 02/08/1999

First Named Inventor: Zorba

Group Art Unit: *2129*Examiner Name: *MAI T. TRAN*

Attorney Docket Number: 05222.00151

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|---------------------|-----------------------|---|----------------|
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Examiner  
Signature*MAI T. TRAN*Date  
Considered*12/20/05*

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 09/868,698

Filing Date : 02/08/1999

First Named Inventor: Zorba

Group Art Unit: ~~IVA~~ 2129

Examiner Name: ~~NAI~~ T. TRAN

Attorney Docket Number: 05222.00151

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|   |                       | "Engines for Education" URL: <a href="http://www.ils.nyu.edu/~e_for_e/nodes/I-M-INTRO-ZOOMER-pg.html">http://www.ils.nyu.edu/~e_for_e/nodes/I-M-INTRO-ZOOMER-pg.html</a> ; viewed Feb. 15, 1999.  |                |
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| Examiner Signature | NAI T. TRAN | Date Considered | 12/20/05 |
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 09/868,698

Filing Date: 02/08/1999

First Named Inventor: Zorba

Group Art Unit: ~~2129~~

Examiner Name: ~~MAI~~ T. TRAN

Attorney Docket Number: 05222.00151

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Application Number : 09/868,698

Filing Date : 02/08/1999

First Named Inventor: Zorba

Group Art Unit: ~~DA~~ 2129

Examiner Name: ~~TRA~~ MAI T. TRAN

Attorney Docket Number: 05222.00151

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|                     |                       | "Eight Goal-Based Scenario Tools", Technical Report # 87, Northwestern University, The Institute for the Learning Sciences, January 1996, pp. 1-37  |                |
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